

Figure 1A

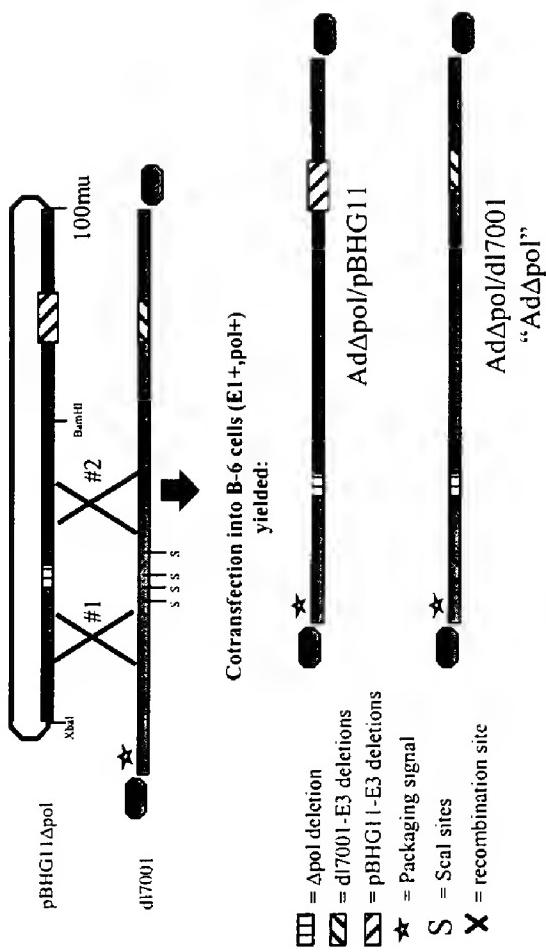


Figure 1B

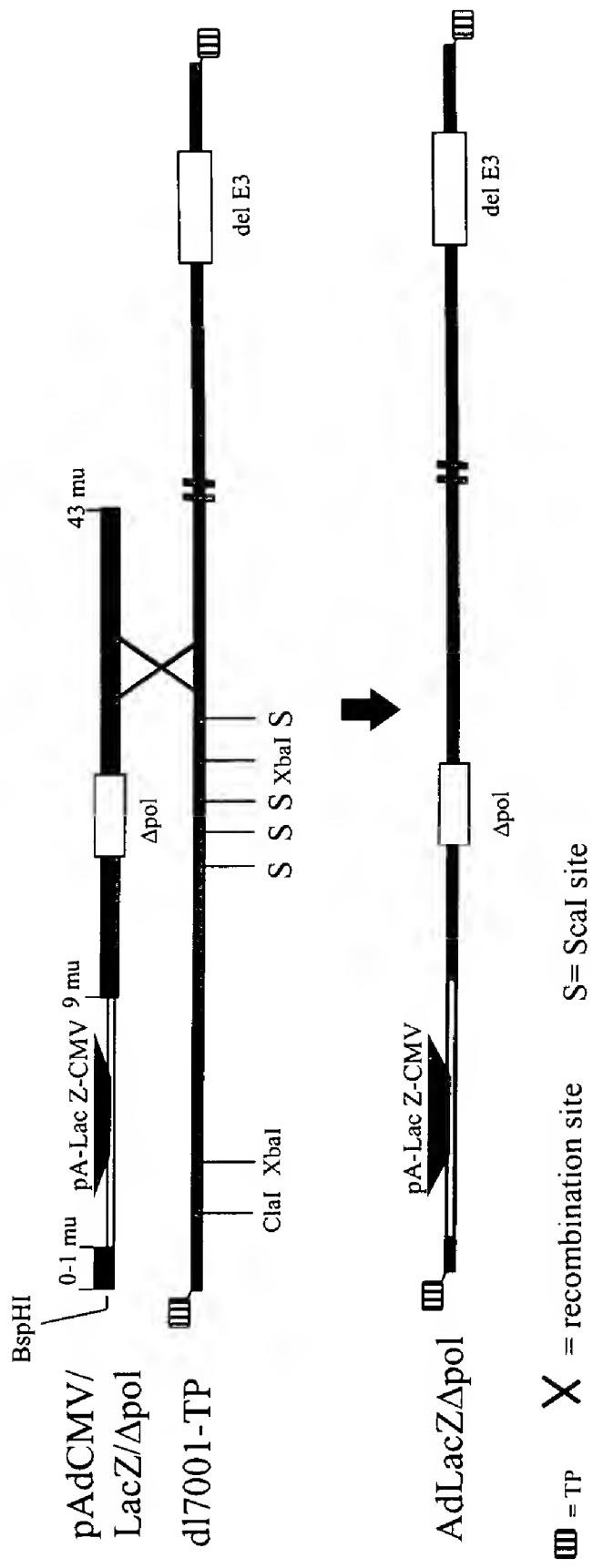


Figure 1C

099794 - 011600

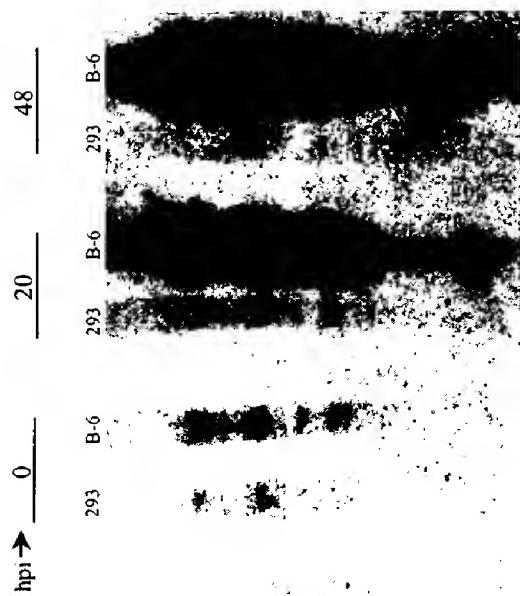


Figure 2

6 9 9 7 7 7 6 4 . 0 1 1 0 0 0



Figure 3

09972794 . 011002

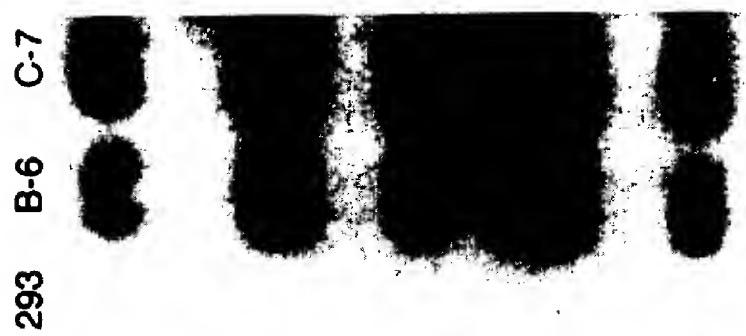
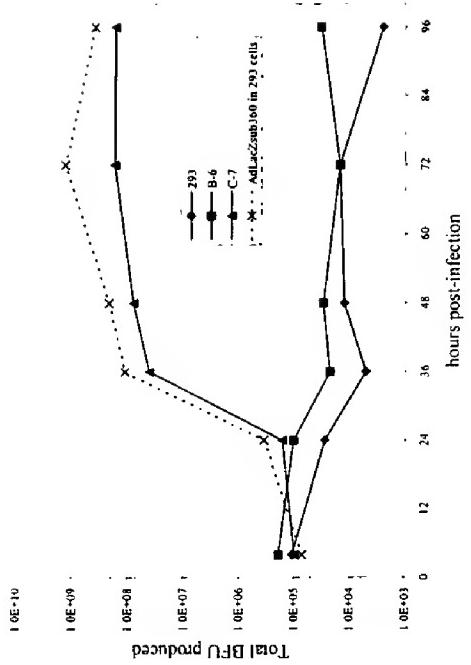


Figure 4

Figure 5

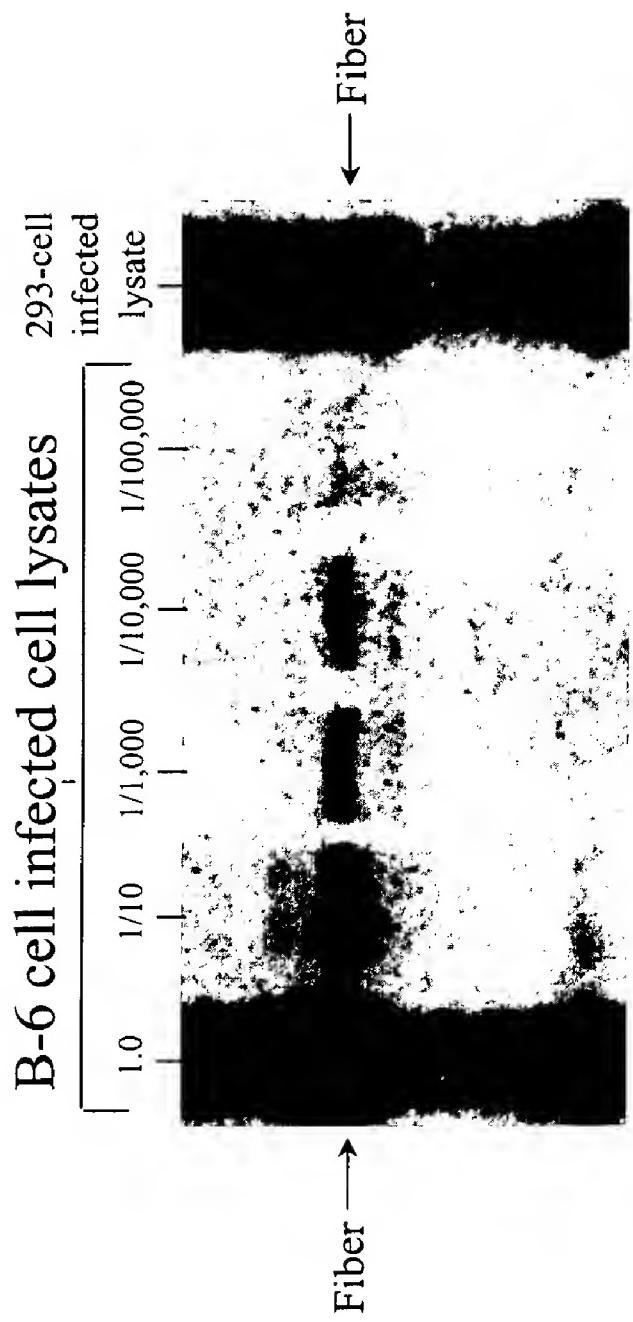


Figure 6

09922794.011602

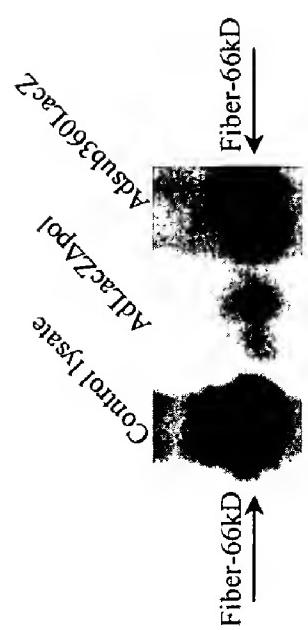


Figure 7

20010.011802

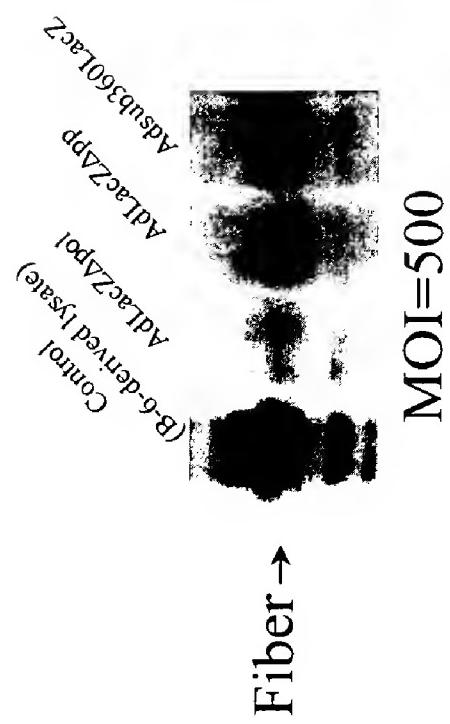


Figure 8

09922794 .011802



Figure 9

09972794 . 011802

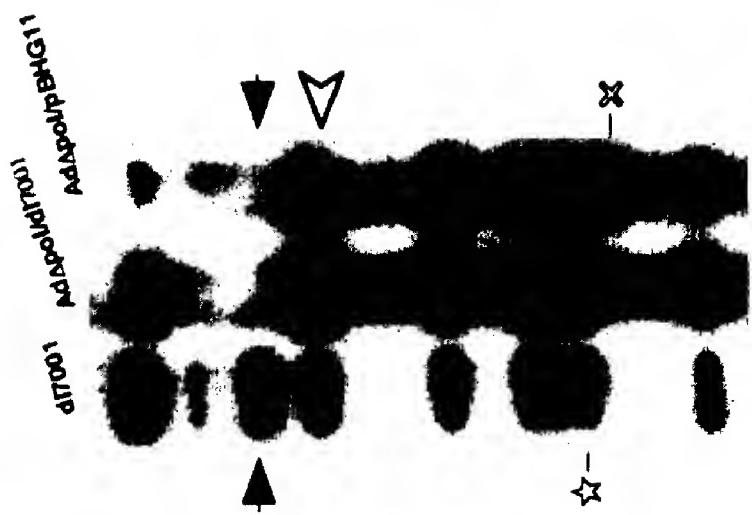


Figure 10

09972794 . 011802

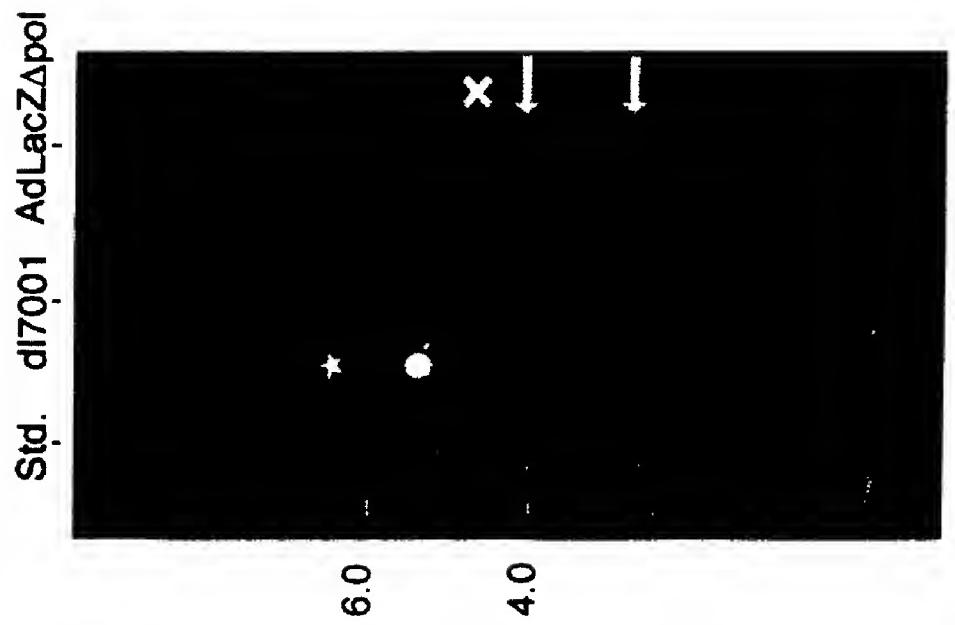


Figure 11

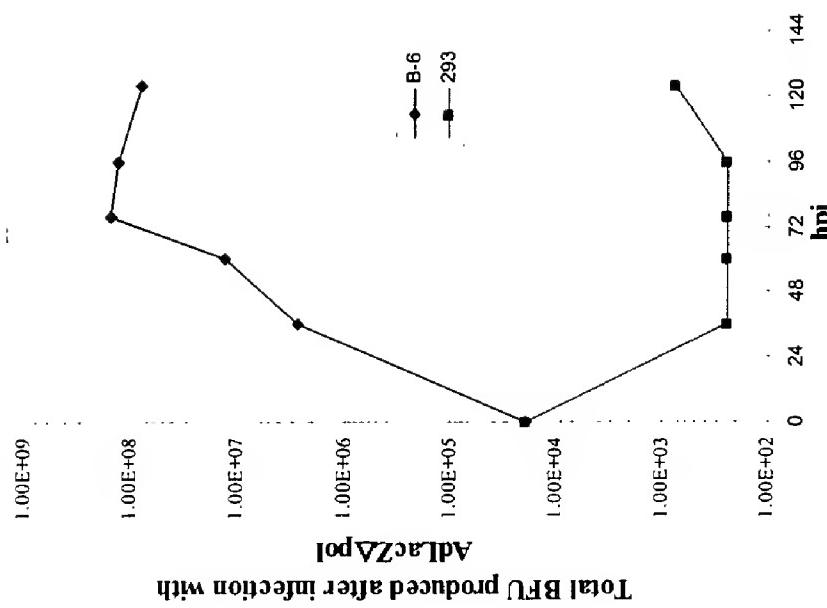


Figure 12

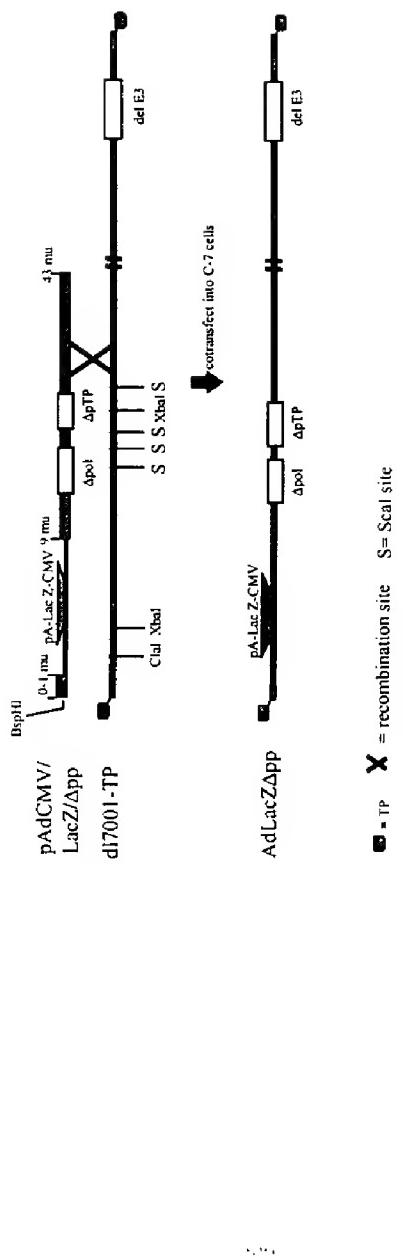
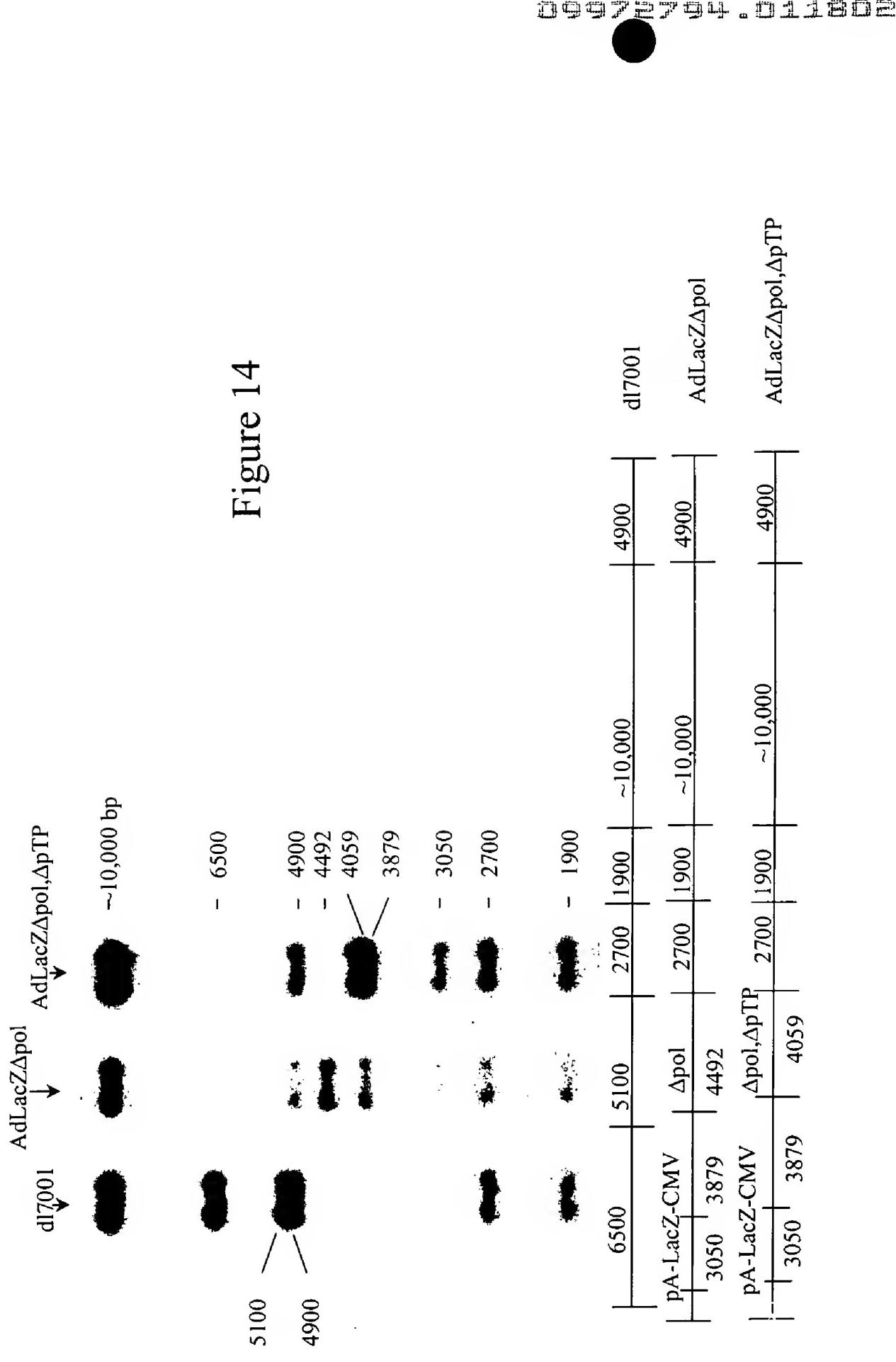


Figure 13



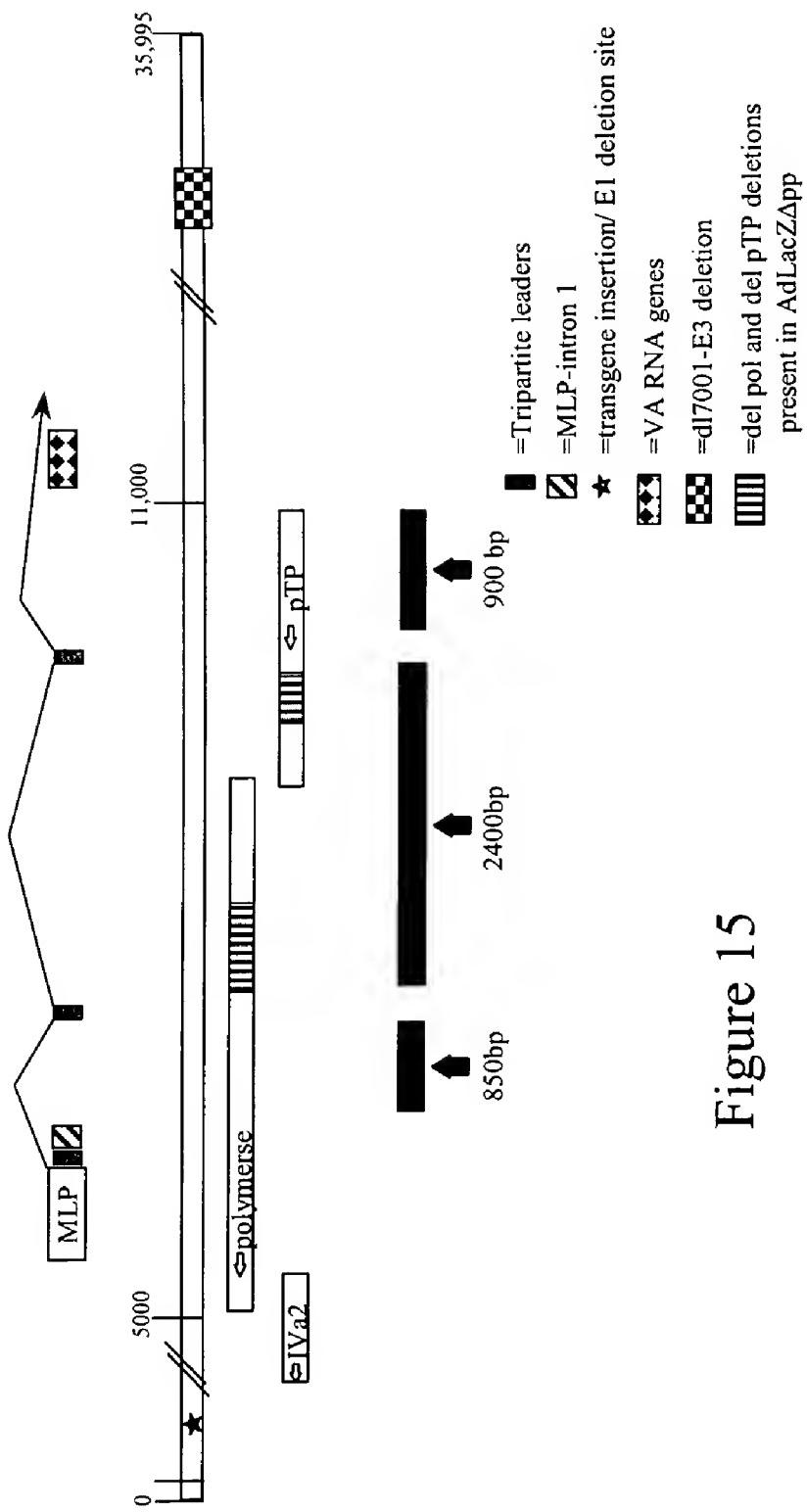


Figure 15

00970794 · 011602

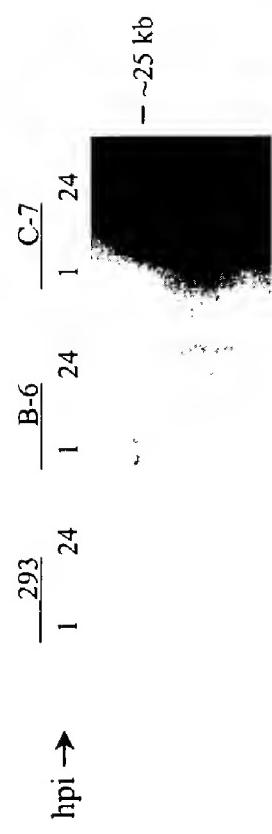


Figure 16

0992794 - 011602

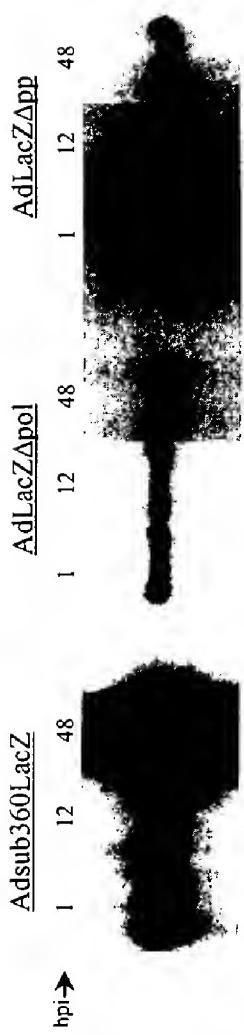


Figure 17

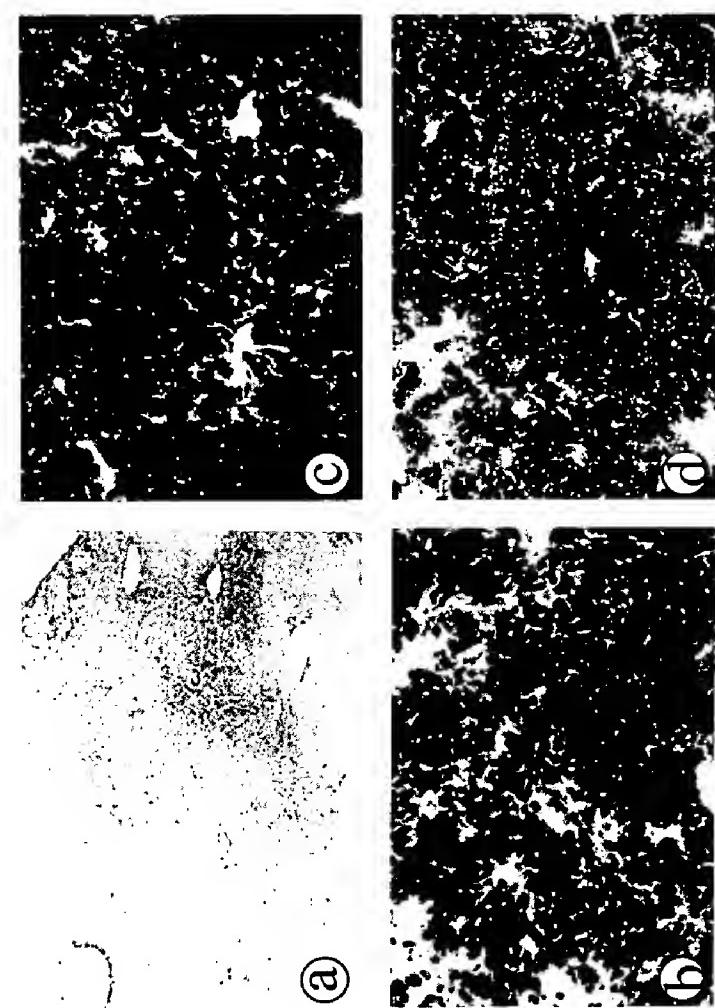
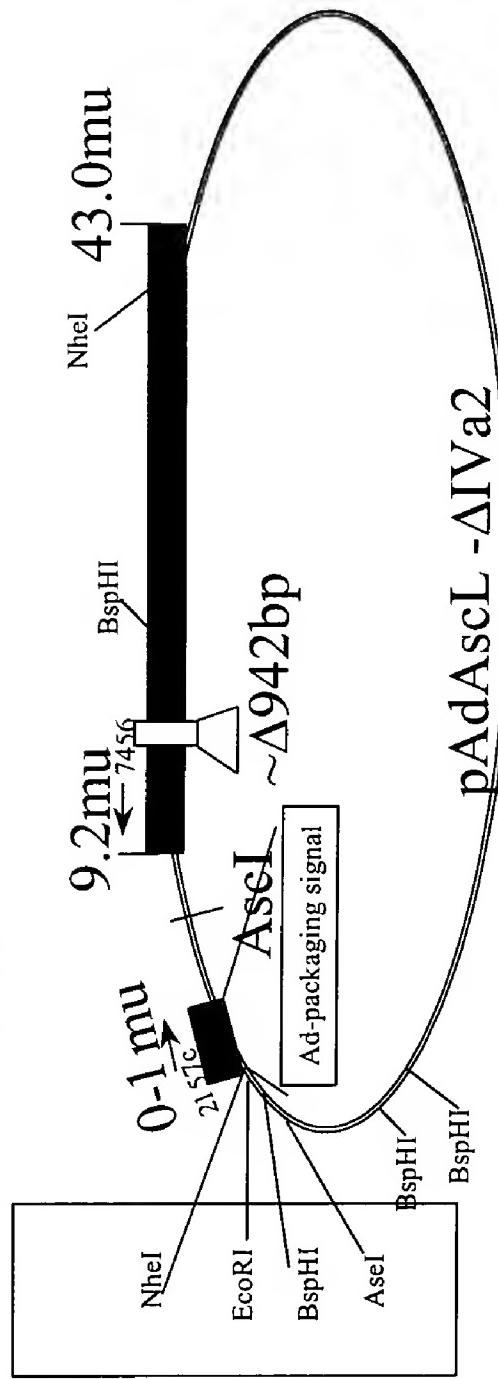


Figure 18

pAdAscl-ΔIVa2 shuttle plasmid(\sim 14.2kb)

Amp-Res

Linearization sites



← primer site location of indicated primer

Figure 19

09072794 - 01180H

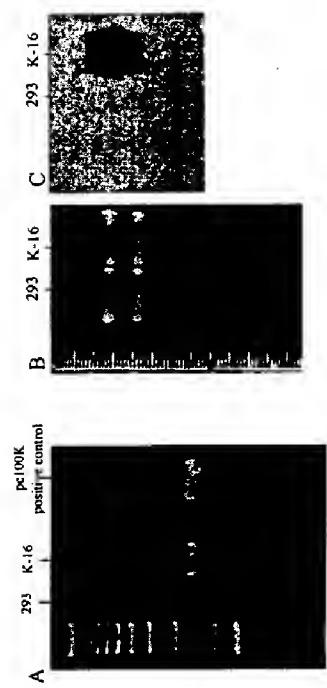


Figure 20

D9970794 .011802

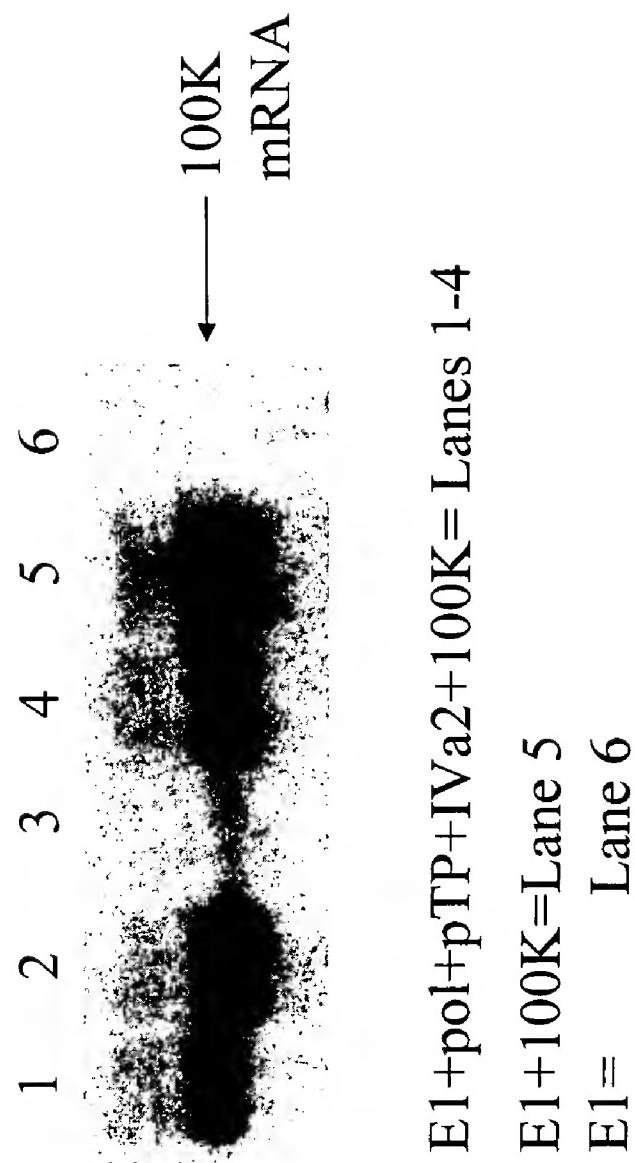


Figure 21

00022794 . 011602

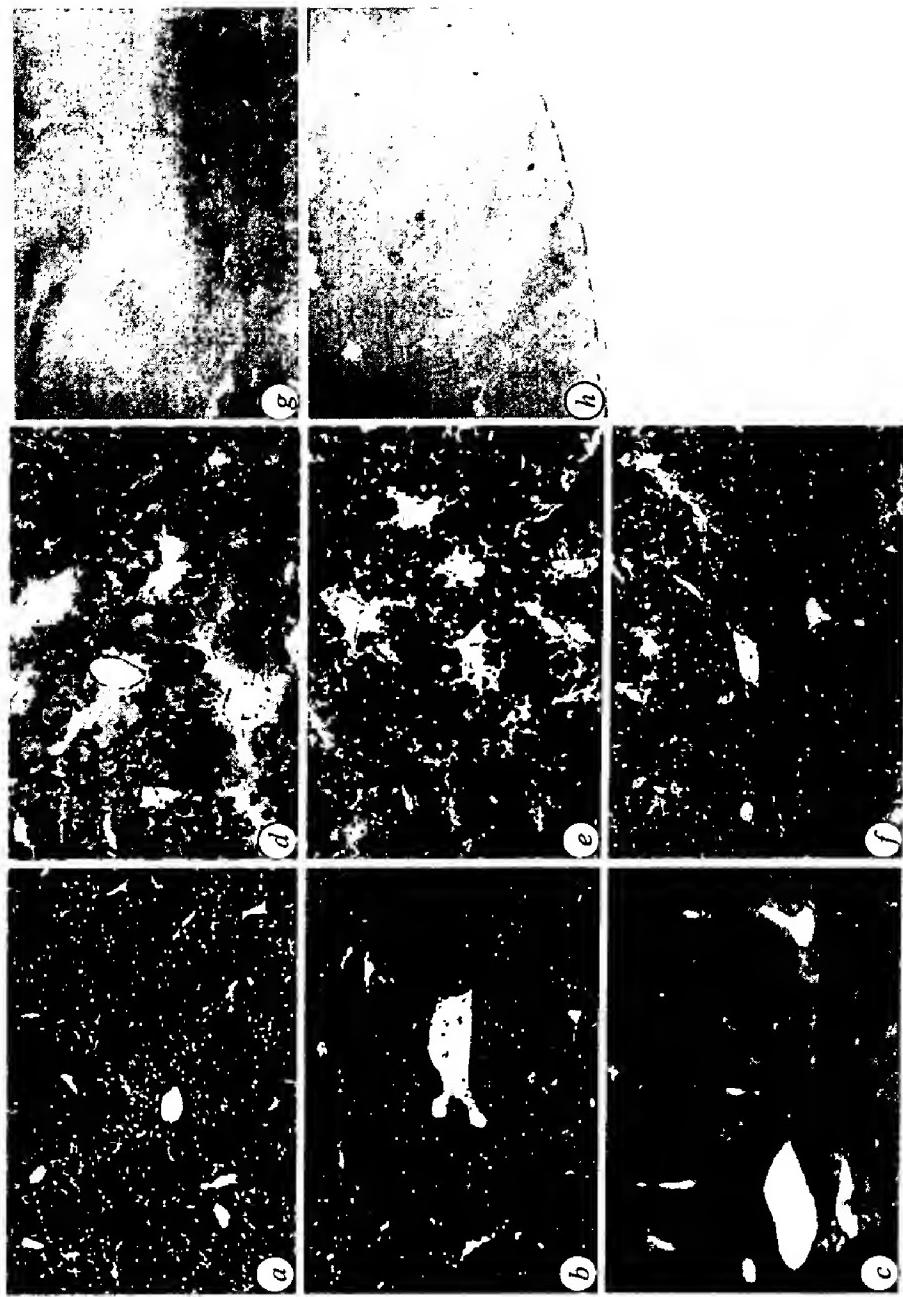
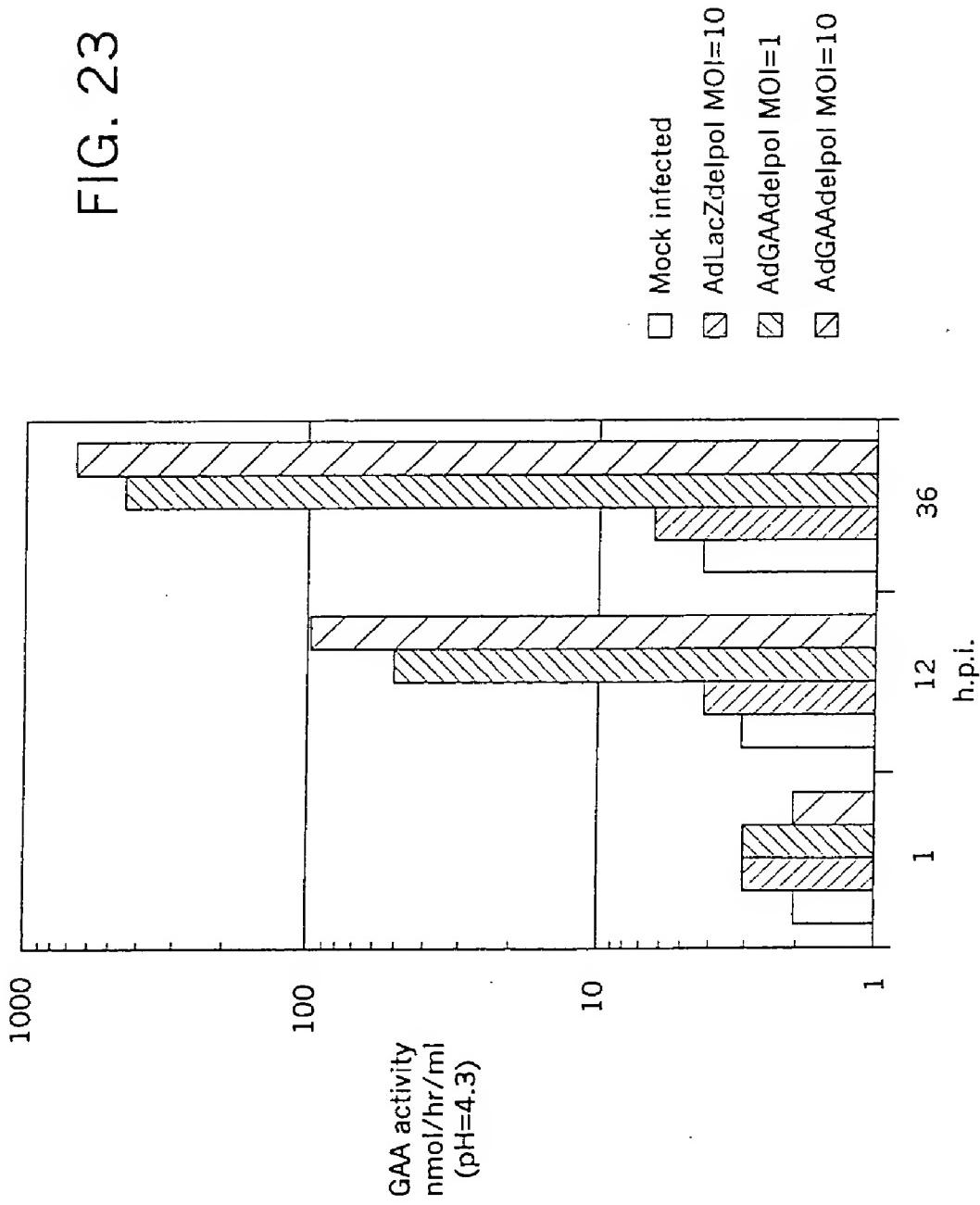


Figure 22

09072794 . 011602

FIG. 23



00022794 · 01100

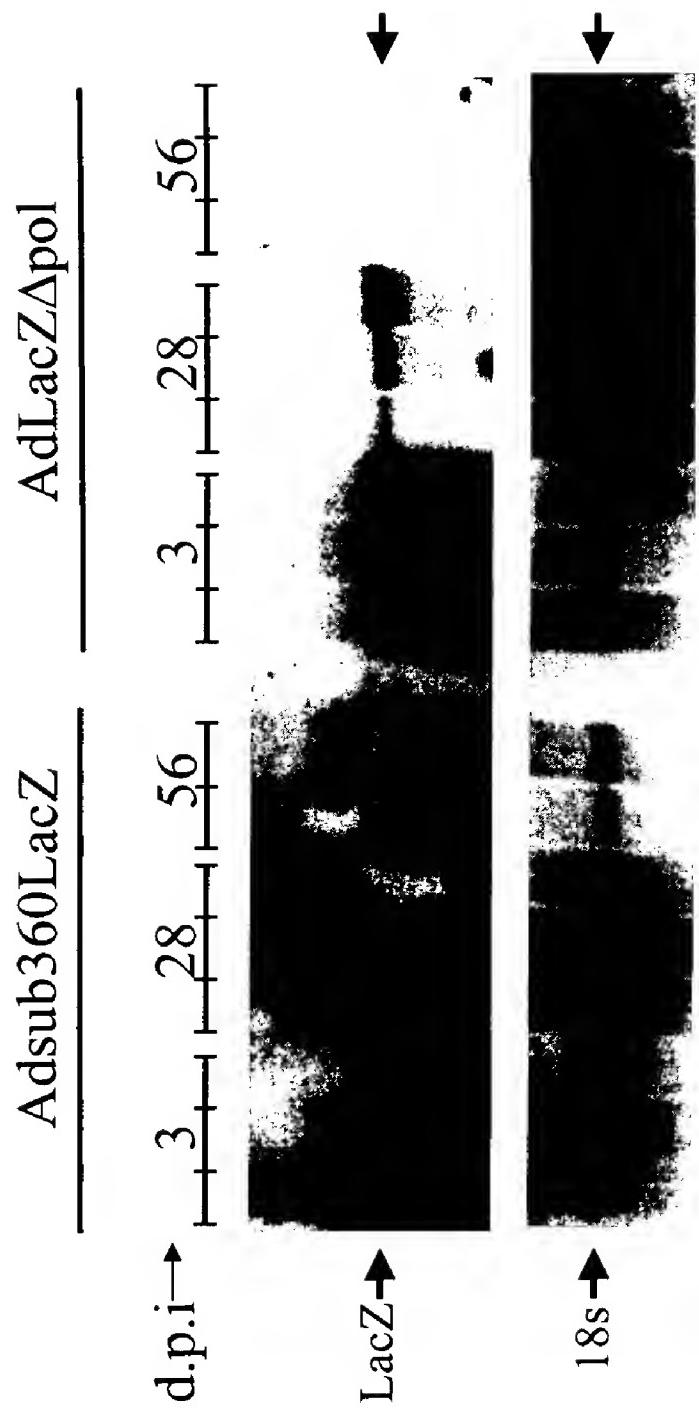


Figure 24

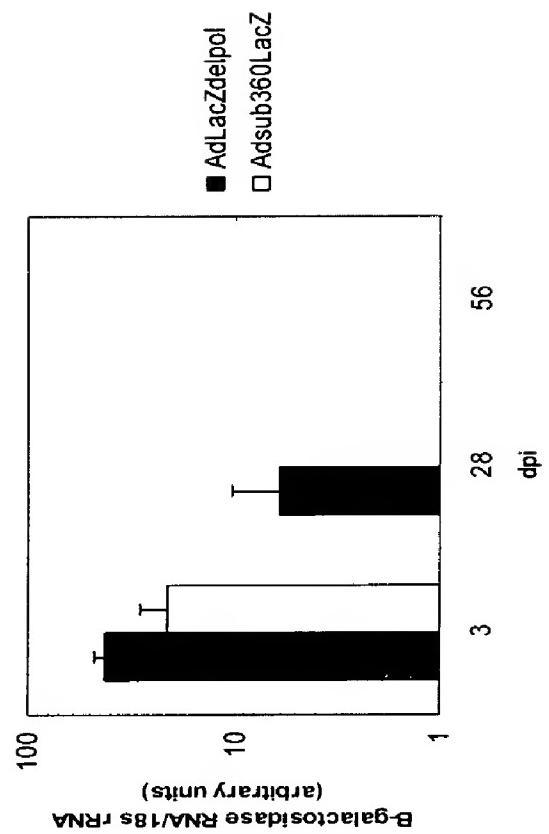


Figure 25

09922794 . 011802



Figure 26

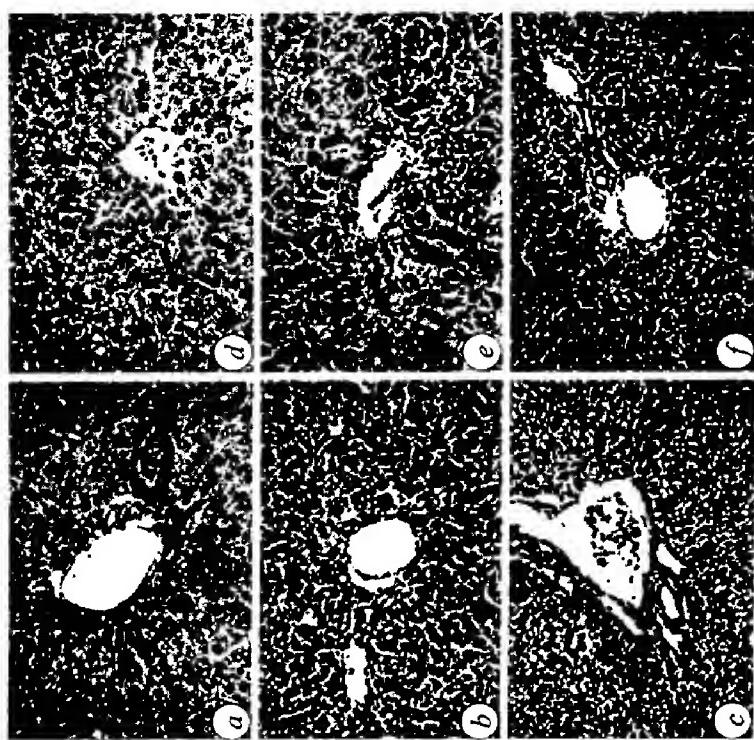
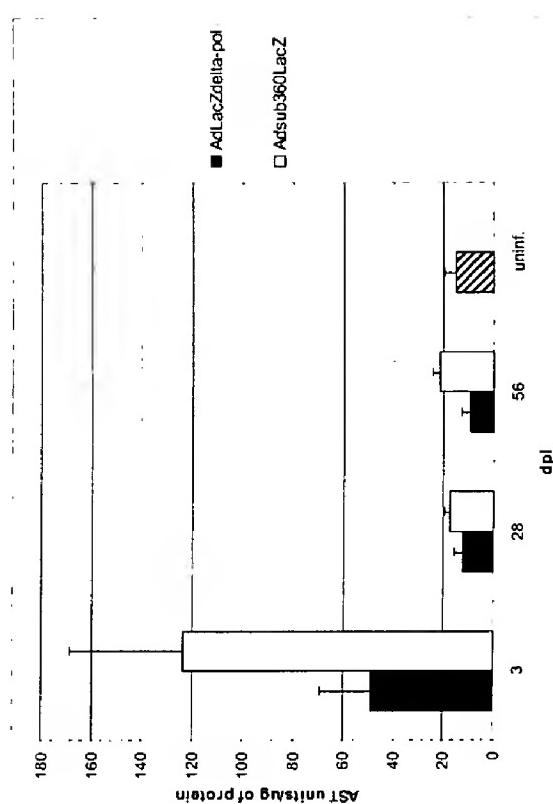


Figure 27

00000000000000000000000000000000

Figure 28



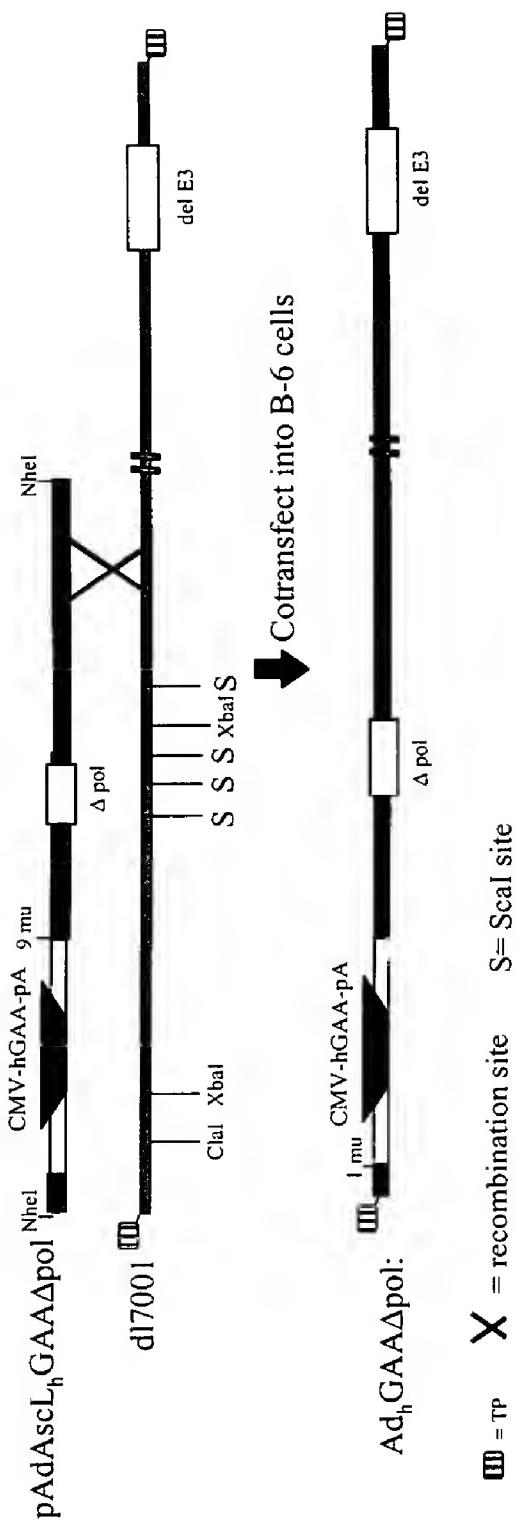


Figure 29

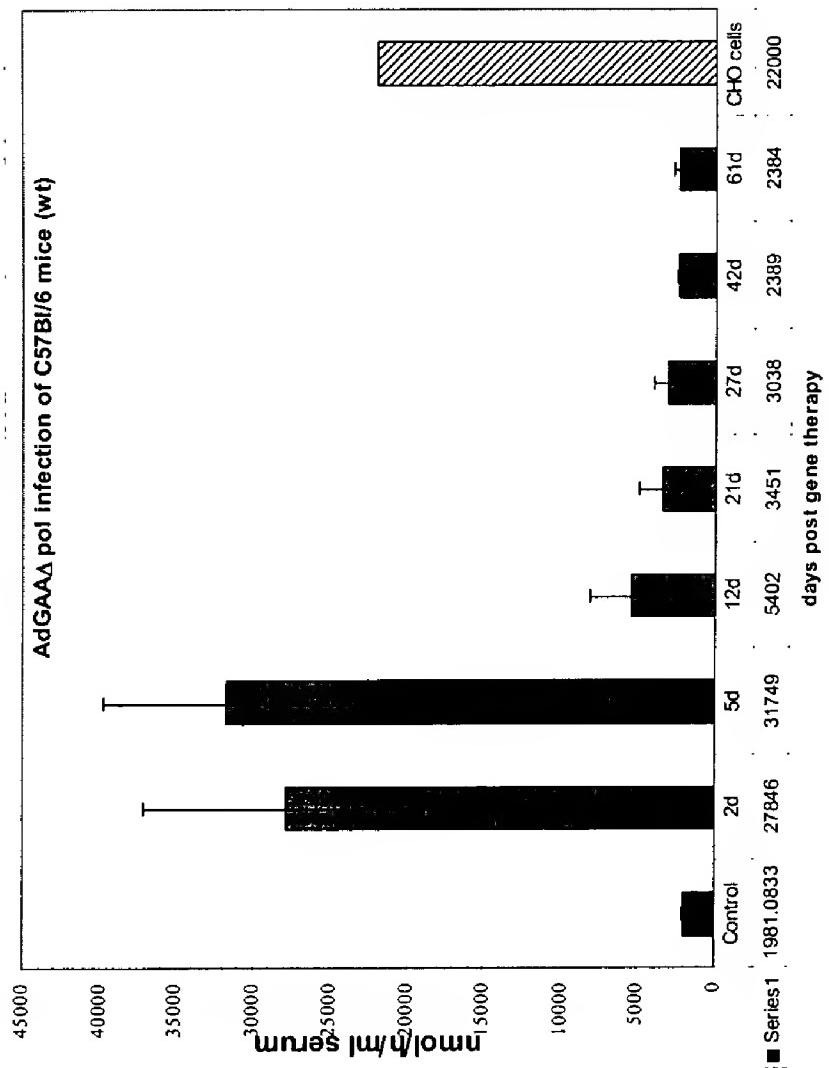


Figure 31

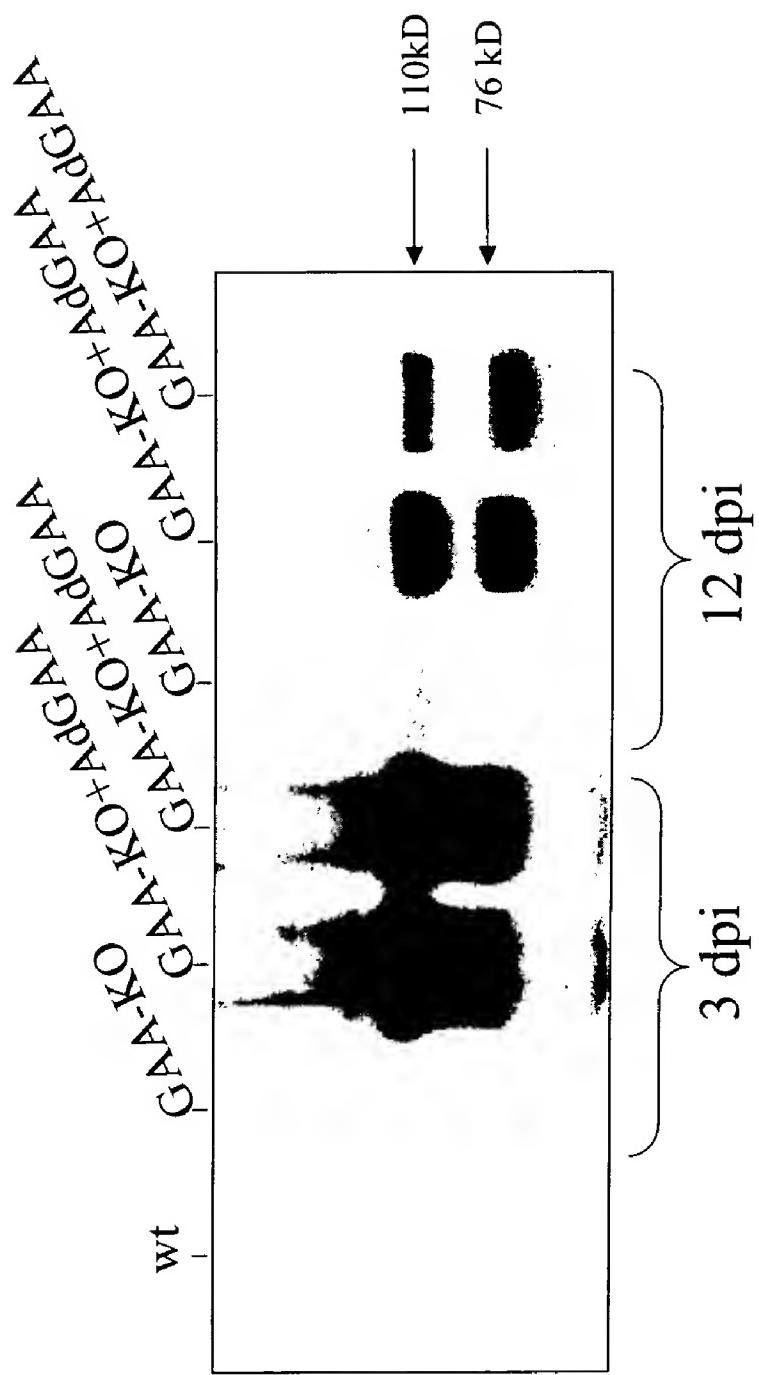


Figure 32

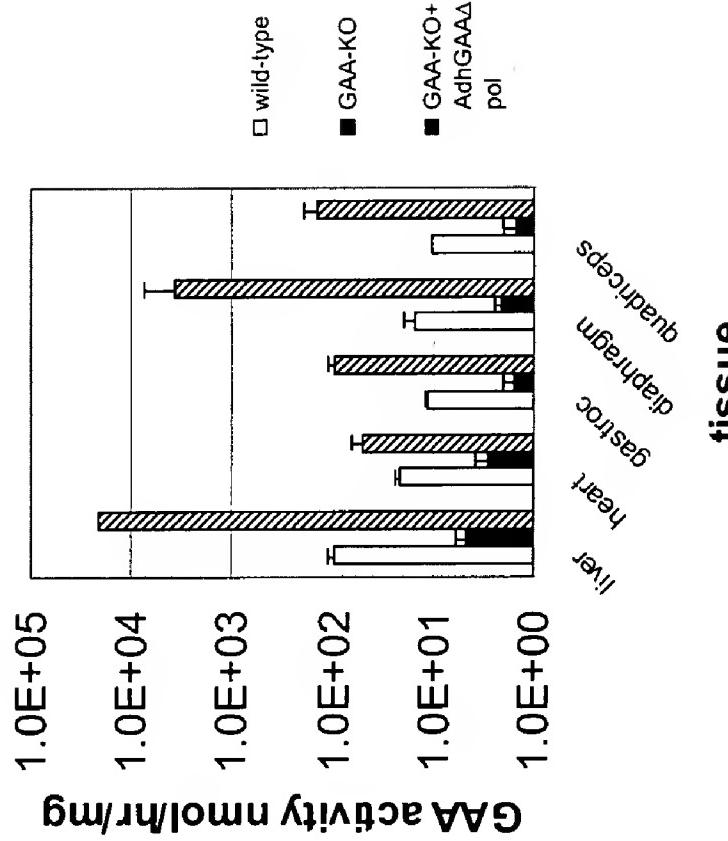


Figure 33

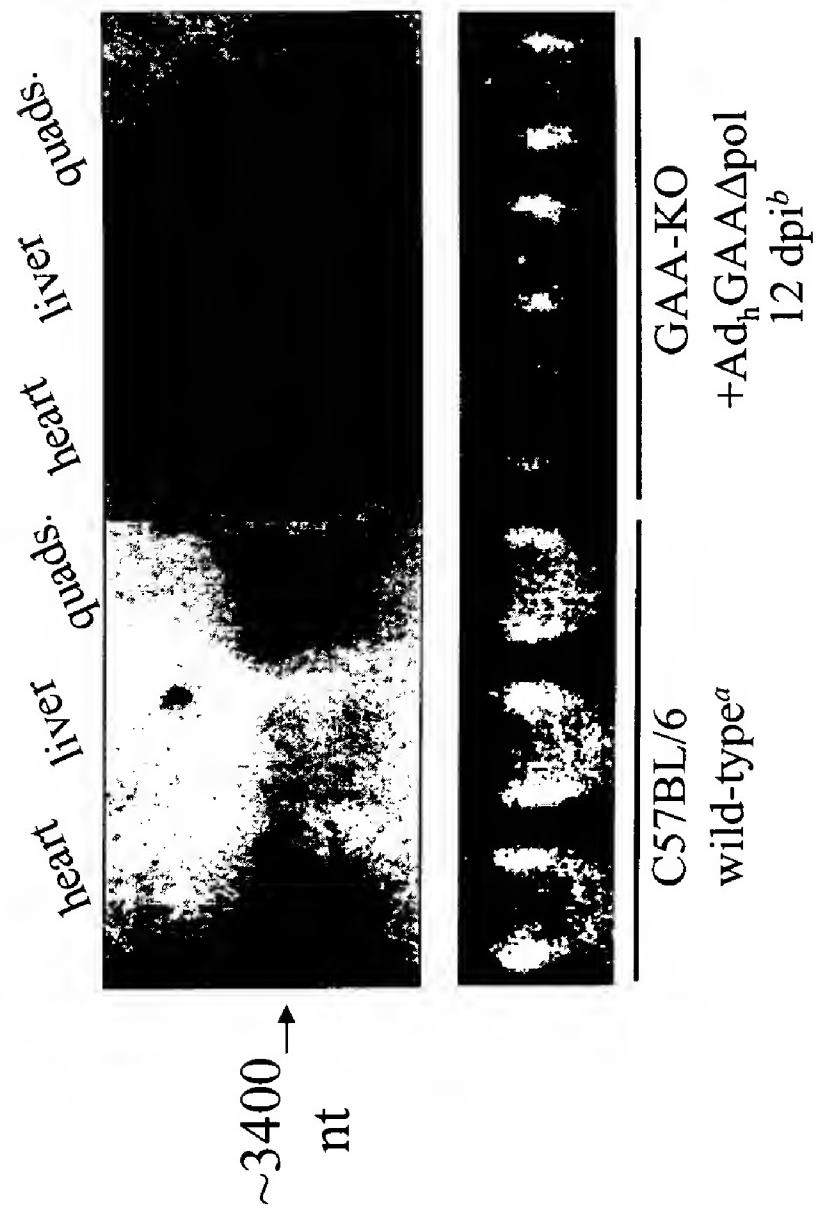


Figure 34

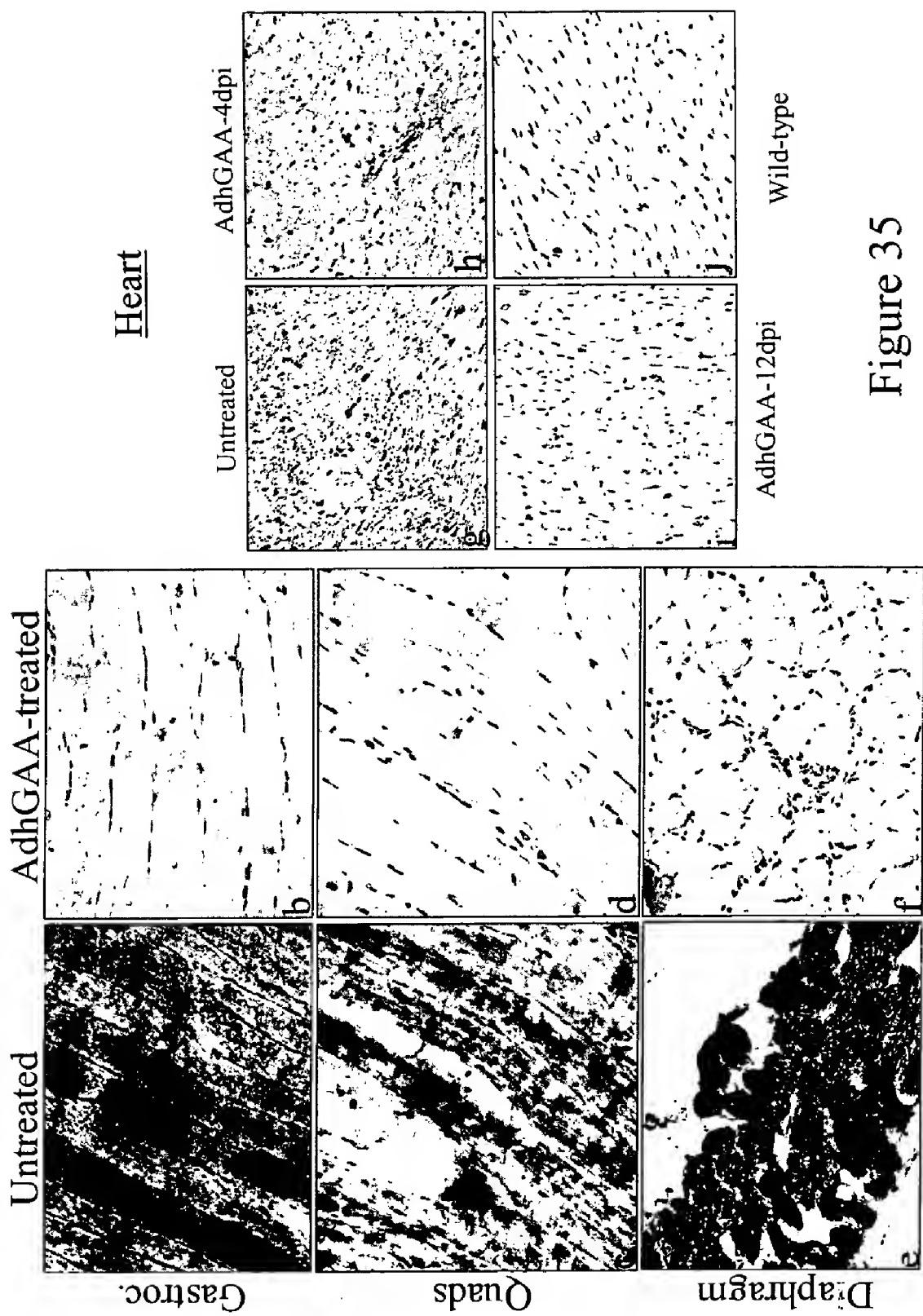


Figure 35

pAdAscL- Δ IVa2, Δ pp-
1.6kb:intermediate shuttle
plasmid(\sim 12.6kb)

Amp-Res

Linearization sites

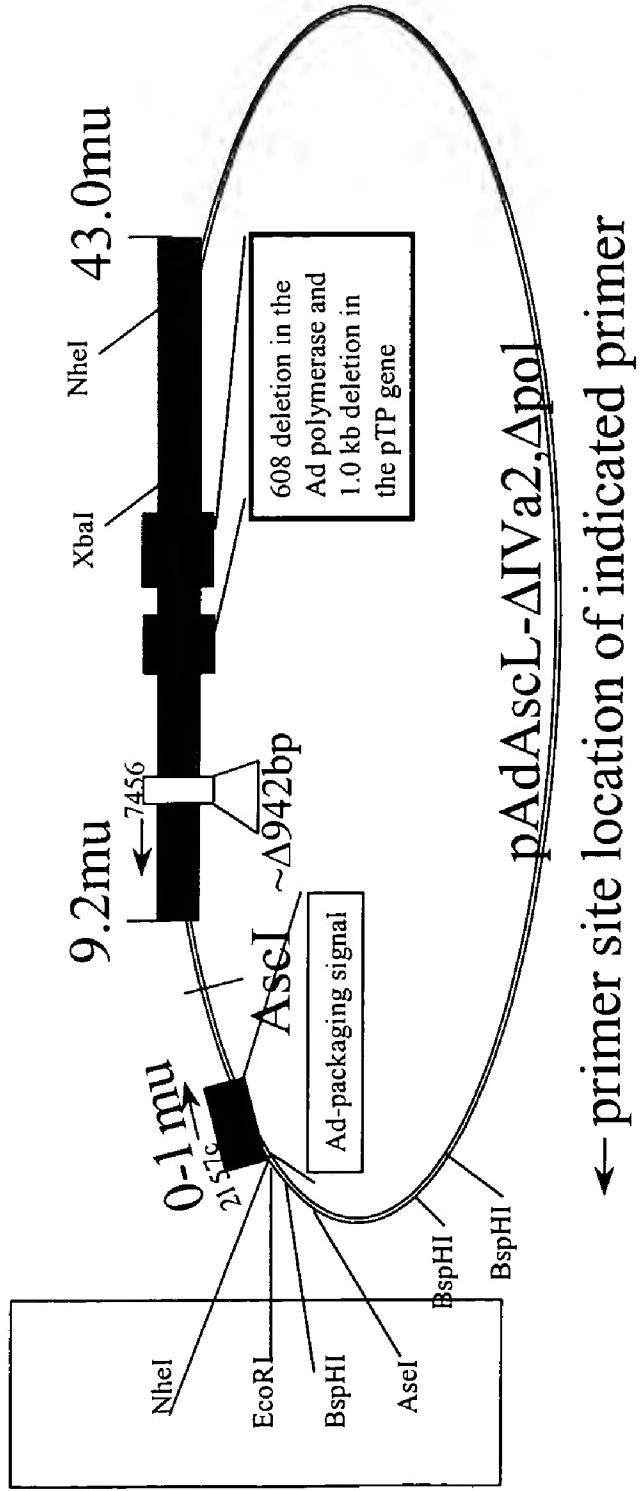
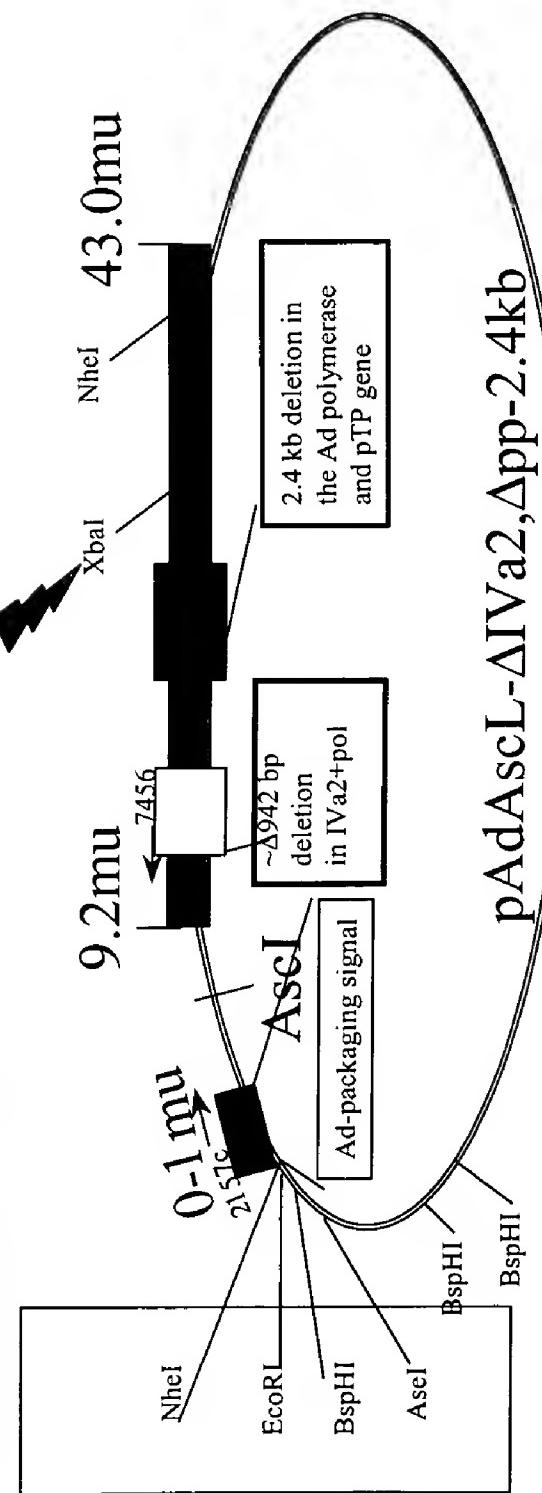


Figure 36

pAdAscl-ΔIVa2,Δpp-2.4kb shuttle
plasmid(\sim 11.8kb)

Amp-Res

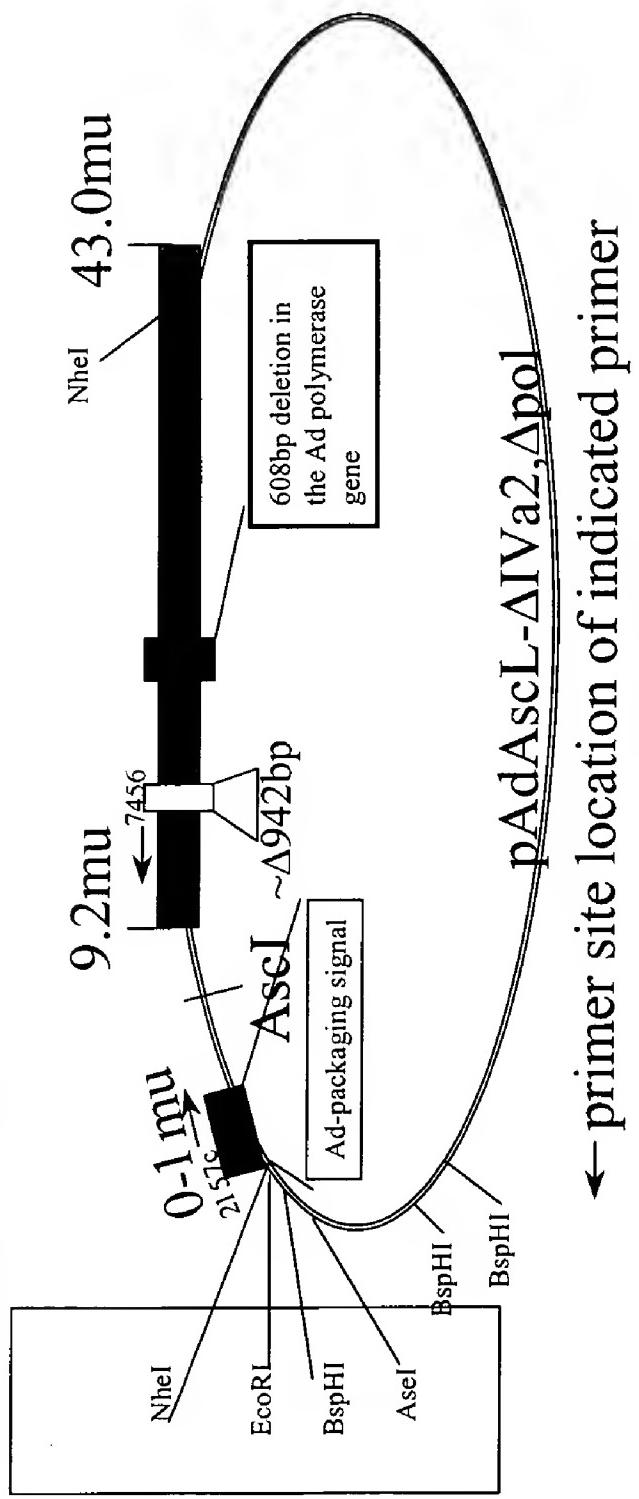
Linearization sites



← primer site location of indicated primer

Figure 37

**pAdAscL- Δ IVa2, Δ pol shuttle
 plasmid(\sim 13.6kb)
 Amp-Res**
Linearization sites



← primer site location of indicated primer

Figure 38